

Title (en)  
APPARATUS AND METHOD FOR ESTIMATING A VALUE OF A PHYSIOLOGICAL CHARACTERISTIC

Title (de)  
VORRICHTUNG UND VERFAHREN ZUR SCHÄTZUNG DES WERTS EINES PHYSIOLOGISCHEN MERKMALS

Title (fr)  
APPAREIL ET PROCÉDÉ PERMETTANT D'ESTIMER UNE VALEUR D'UNE CARACTÉRISTIQUE PHYSIOLOGIQUE

Publication  
**EP 3223682 B1 20240214 (EN)**

Application  
**EP 15797098 A 20151119**

Priority

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Abstract (en)  
[origin: US2016143557A1] There is provided a measurement apparatus for estimating a value of a physiological characteristic of a subject. The apparatus comprises a radio-frequency (RF) power generating apparatus, a detector, and a controller in communication with the RF power generating apparatus. The RF power generating apparatus comprises a transmit antenna for emitting RF radiation; an RF signal generator; and a transmission line connecting the RF signal generator to the transmit antenna. The detector is arranged to measure the variation of at least one parameter correlated with attenuation of the emitted RF radiation, during the measurement period. The controller is arranged to: cause the RF power generating apparatus to emit RF radiation during a measurement period; receive measurements of the variation of the at least one parameter from the detector; and calculate a value of a physiological characteristic of a subject based on the received measurements.

IPC 8 full level  
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